

In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1.- 44. (Cancelled)

45. (Amended) A method of treating or eliminating a tumor or cancer in a subject with an immune system deficiency, comprising administering an immunostimulatory nucleic acid molecule selected from the group consisting of 5'-purine-purine-cytosine-guanine-pyrimidine-pyrimidine-3'; 5'-purine-TCG-pyrimidine-pyrimidine-3'; and a nucleotide sequence comprising one or more 5'-TCG-3' sequences.

46. (Amended) The method of claim 45, further comprising administering an antigen associated with a disease selected from the group consisting of a tumor, cancer, a bacterial infection, a viral infection, and a fungal infection.

47. (Amended) The method of claim 45, wherein the immunostimulatory nucleic acid molecule is in association with a targeting meanstarget cell specific binding agent, and wherein said association is selected from the group consisting of an ionic bond and a covalent bond.

48.-51. (Cancelled)

52. (Amended) The method of claim [[48]]45, wherein the immune system deficiency is associated with a tumor or cancer.

53.-93. (Cancelled)

94. (New) The method of claim 47, wherein the targeting means is a molecule that binds to a target cell.

95. (New) The method of claim 94, wherein the target cell is selected from the group consisting of a B-cell, and a natural killer cell.

96. (New) The method of claim 47, wherein the targeting means is selected from the group consisting of a sterol, a lipid and a target cell specific binding agent.

97. (New) The method of claim 96, wherein the lipid is selected from the group consisting of a cationic lipid a virosome, and a liposome.

98. (New) The method of claim 96, wherein the target cell specific binding agent is a ligand recognized by a target cell specific receptor.

99. (New) The method of claim 47, wherein said immunostimulatory nucleic acid molecule is administered orally.

100. (New) The method of claim 47, wherein said immunostimulatory nucleic acid molecule is injected.